FIG. 1

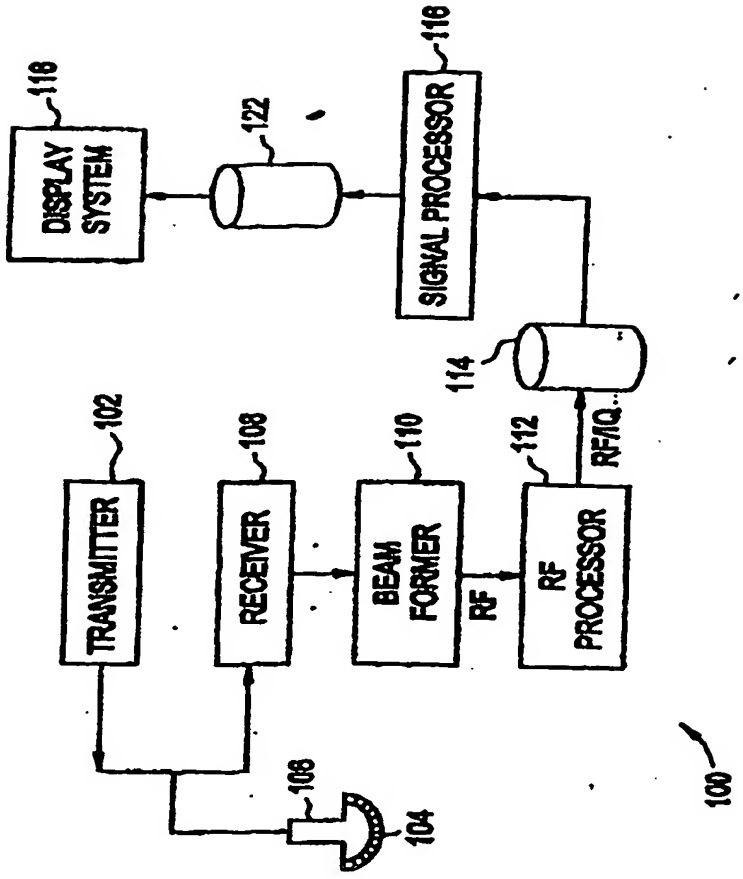
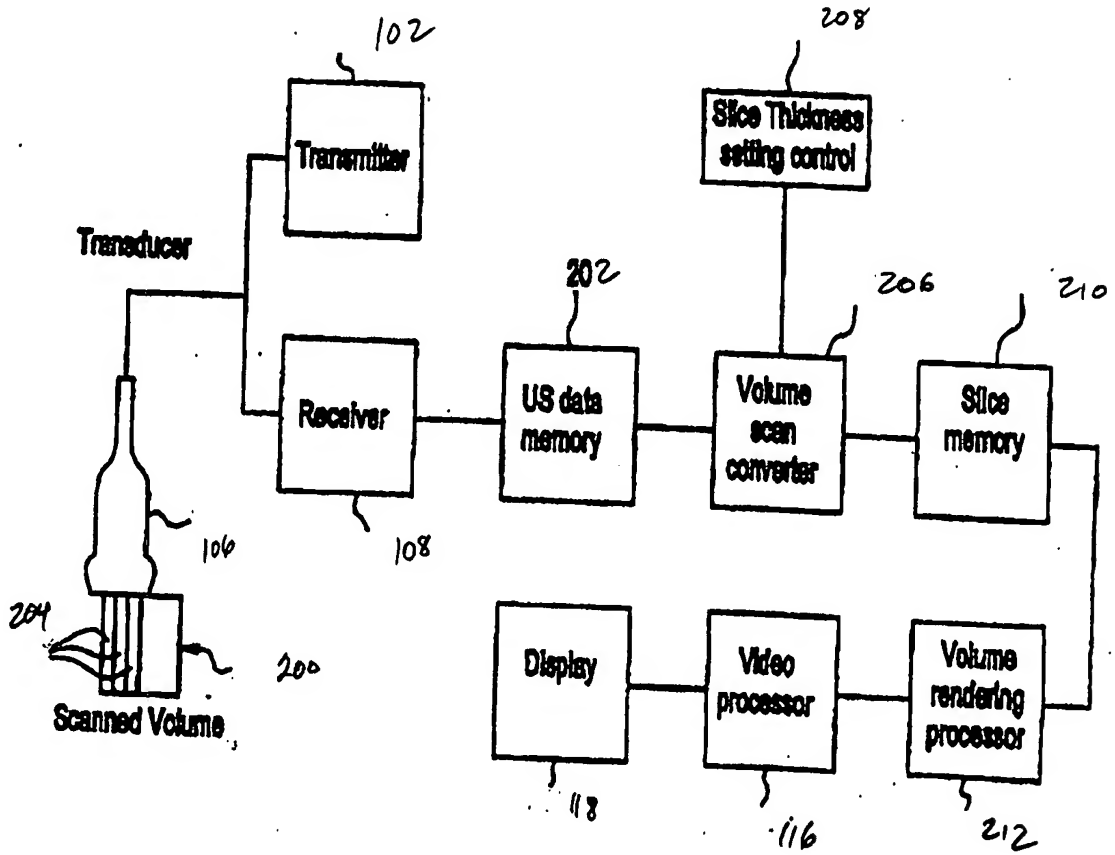

DISPLAY SYSTEM
118
122
SIGNAL PROCESSOR
116
114
RF/IQ
TRANSMITTER
102
RECEIVER
108
BEAM FORMER
110
RF
RF PROCESSOR
112
106
104
100

FIG. 2


102
208
Transmitter
Slice Thickness setting control
Transducer
202
206
210
Receiver
US data memory
Volume scan converter
Slice memory
106
108
204
200
Scanned Volume
Display
Video processor
Volume rendering processor
118
116
212

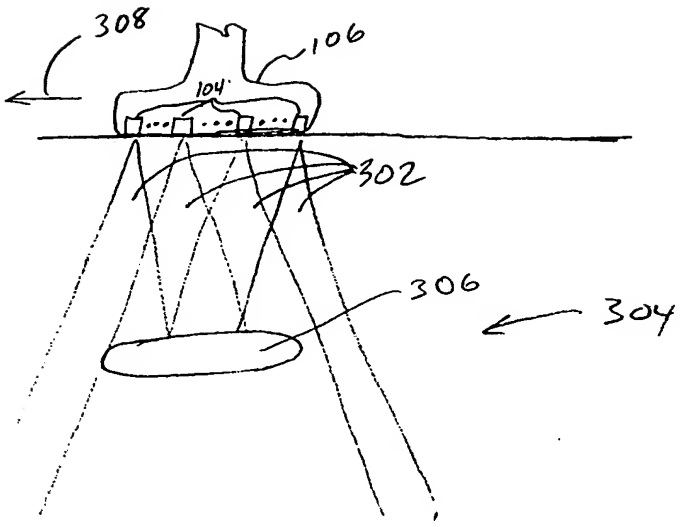


Figure 3

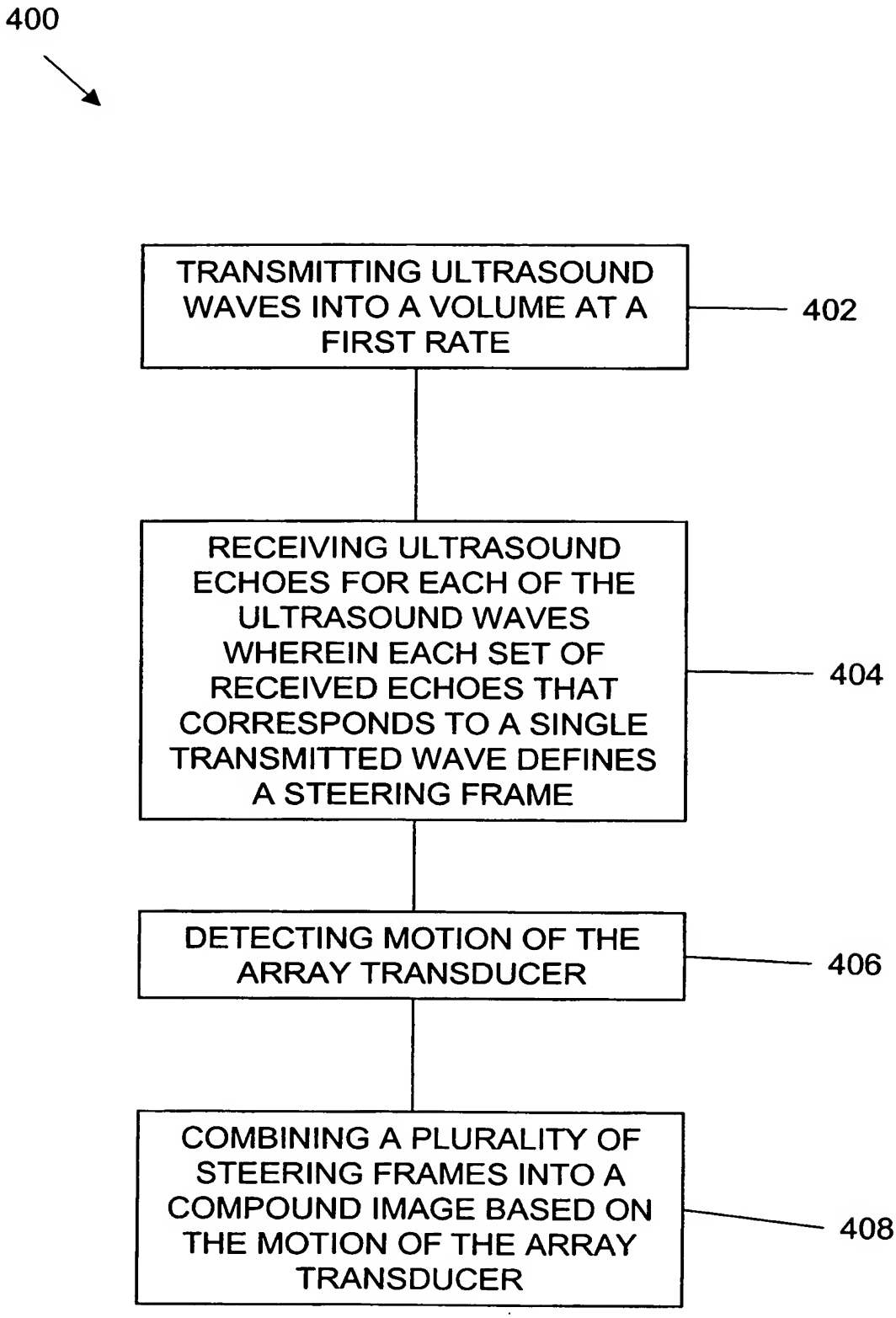

400
TRANSMITTING ULTRASOUND WAVES INTO A VOLUME AT A FIRST RATE
402
RECEIVING ULTRASOUND ECHOES FOR EACH OF THE ULTRASOUND WAVES WHEREIN EACH SET OF RECEIVED ECHOES THAT CORRESPONDS TO A SINGLE TRANSMITTED WAVE DEFINES A STEERING FRAME
404
DETECTING MOTION OF THE ARRAY TRANSDUCER
406
COMBINING A PLURALITY OF STEERING FRAMES INTO A COMPOUND IMAGE BASED ON THE MOTION OF THE ARRAY TRANSDUCER
408

Figure 4